

Stanyl® TC175A

PA*-GF10

Thermal conductive material, 10% Glass Reinforced

Properties	Typical Data	Unit	Test Method
Mechanical properties			
	dry / cond		
Tensile modulus	14000 / -	MPa	ISO 527-1/-2
Stress at break	90 / -	MPa	ISO 527-1/-2
Strain at break	1.1 / -	%	ISO 527-1/-2
Charpy notched impact strength (+23°C)	4.4 / -	kJ/m ²	ISO 179/1eA
Thermal properties			
	dry / cond		
Thermal conductivity in plane	5.1	W/(m K)	ASTM E1461
Thermal conductivity through plane	1.1	W/(m K)	ASTM E1461
Electrical properties			
	dry / cond		
Volume resistivity	>1E13 / 7E11	Ohm*m	IEC 62631-3-1
Relative permittivity (1GHz)	4.22 / -	-	IEC 60250
Other properties			
	dry / cond		
Density	1610 / -	kg/m ³	ISO 1183

